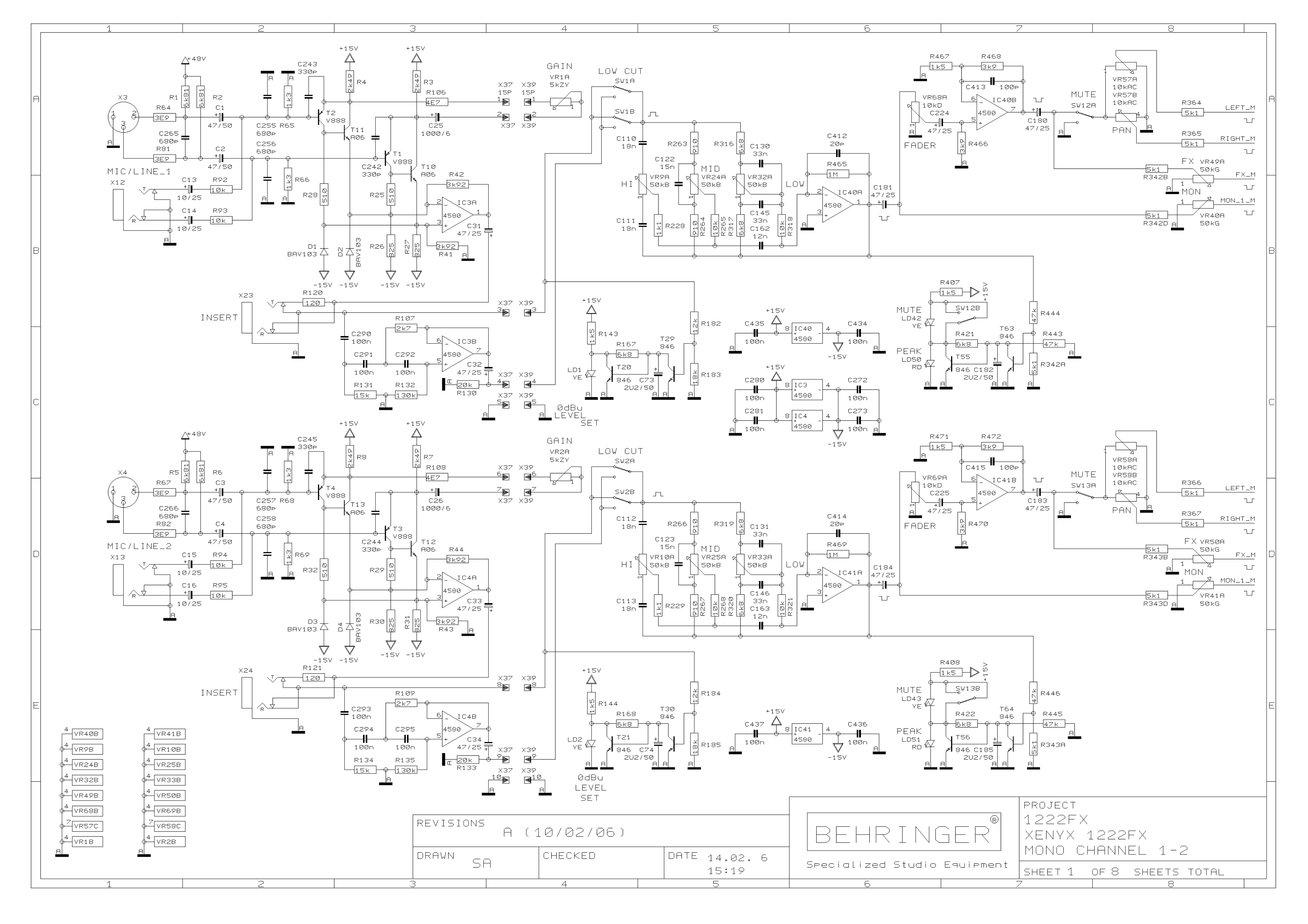
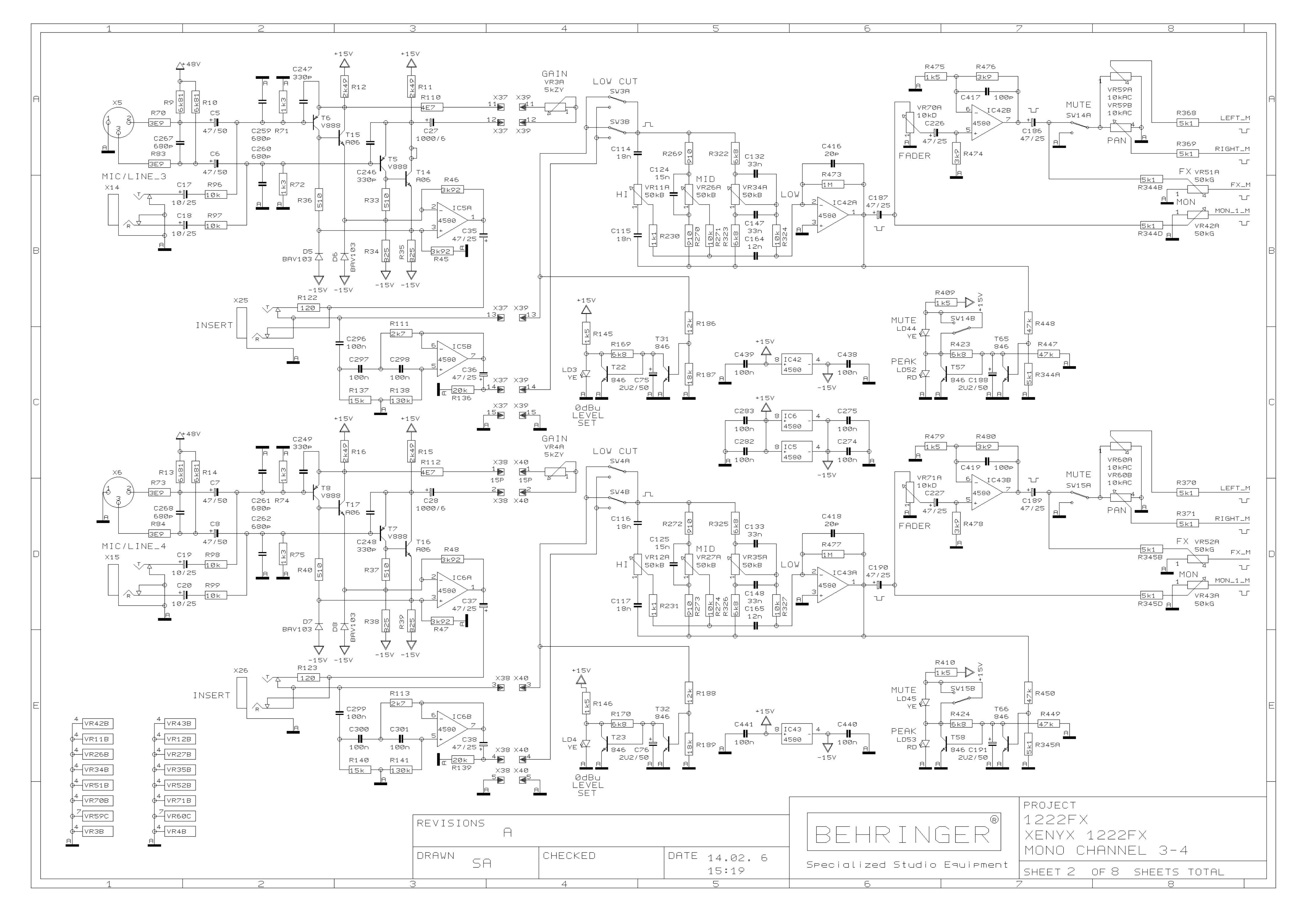
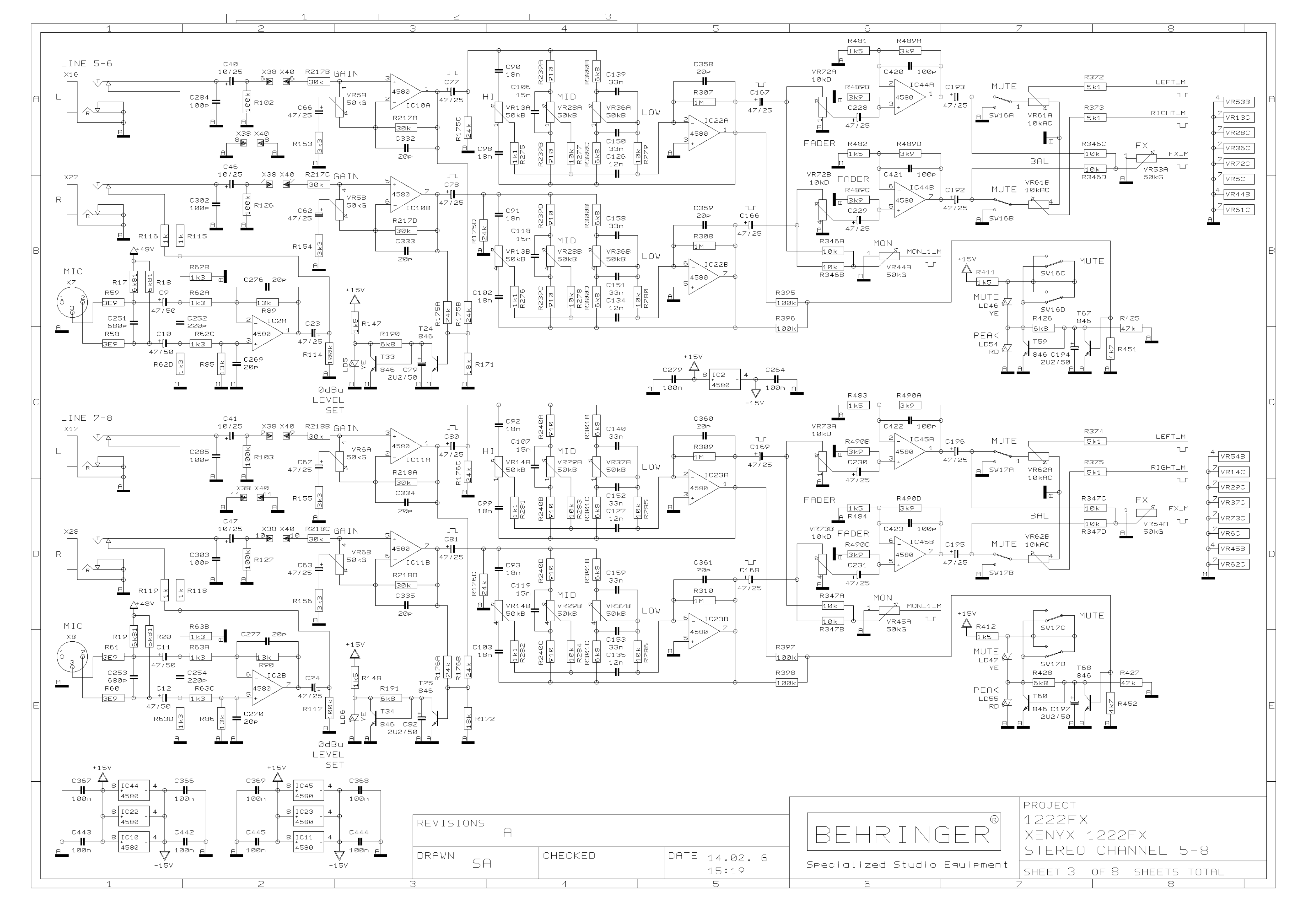
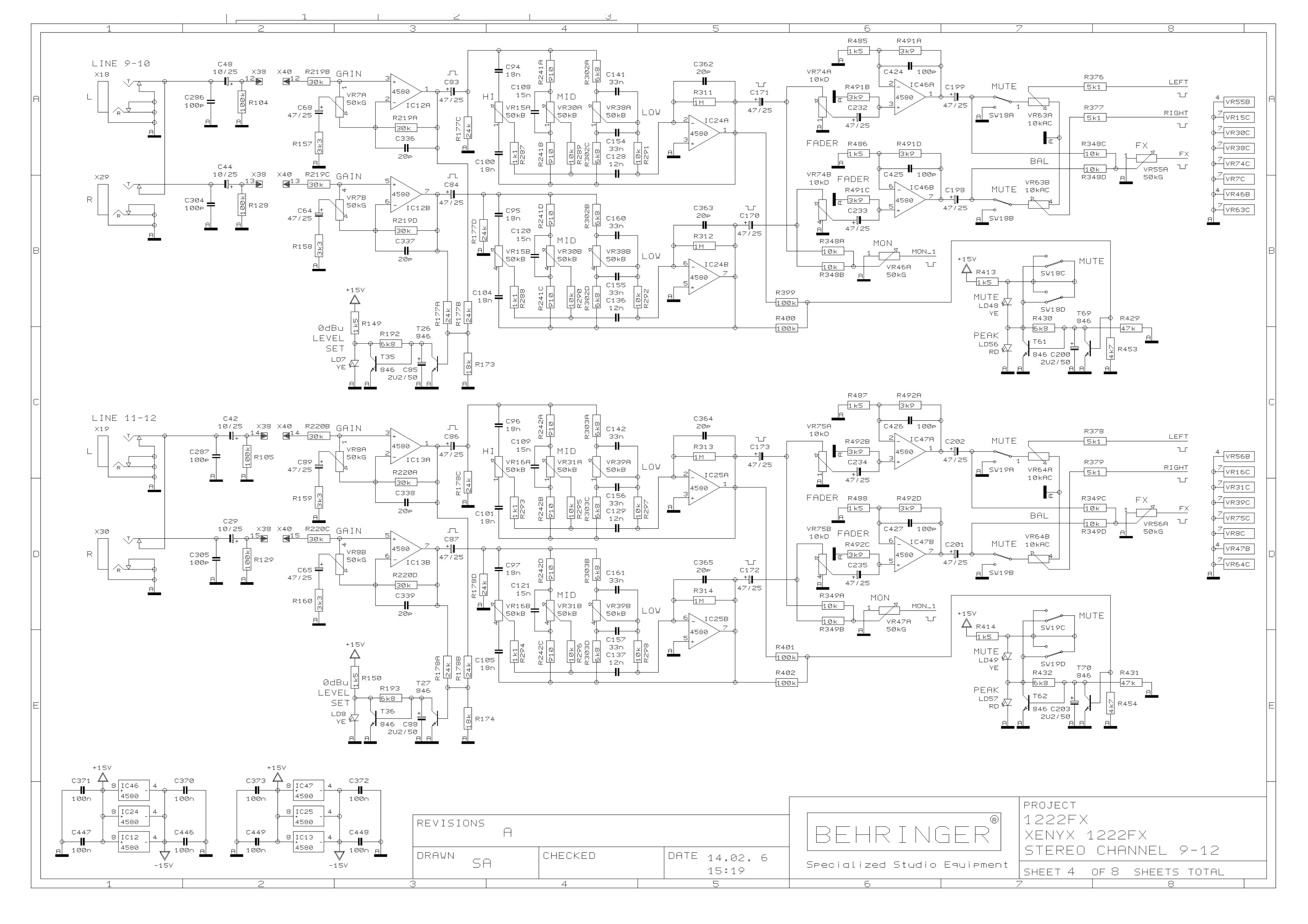


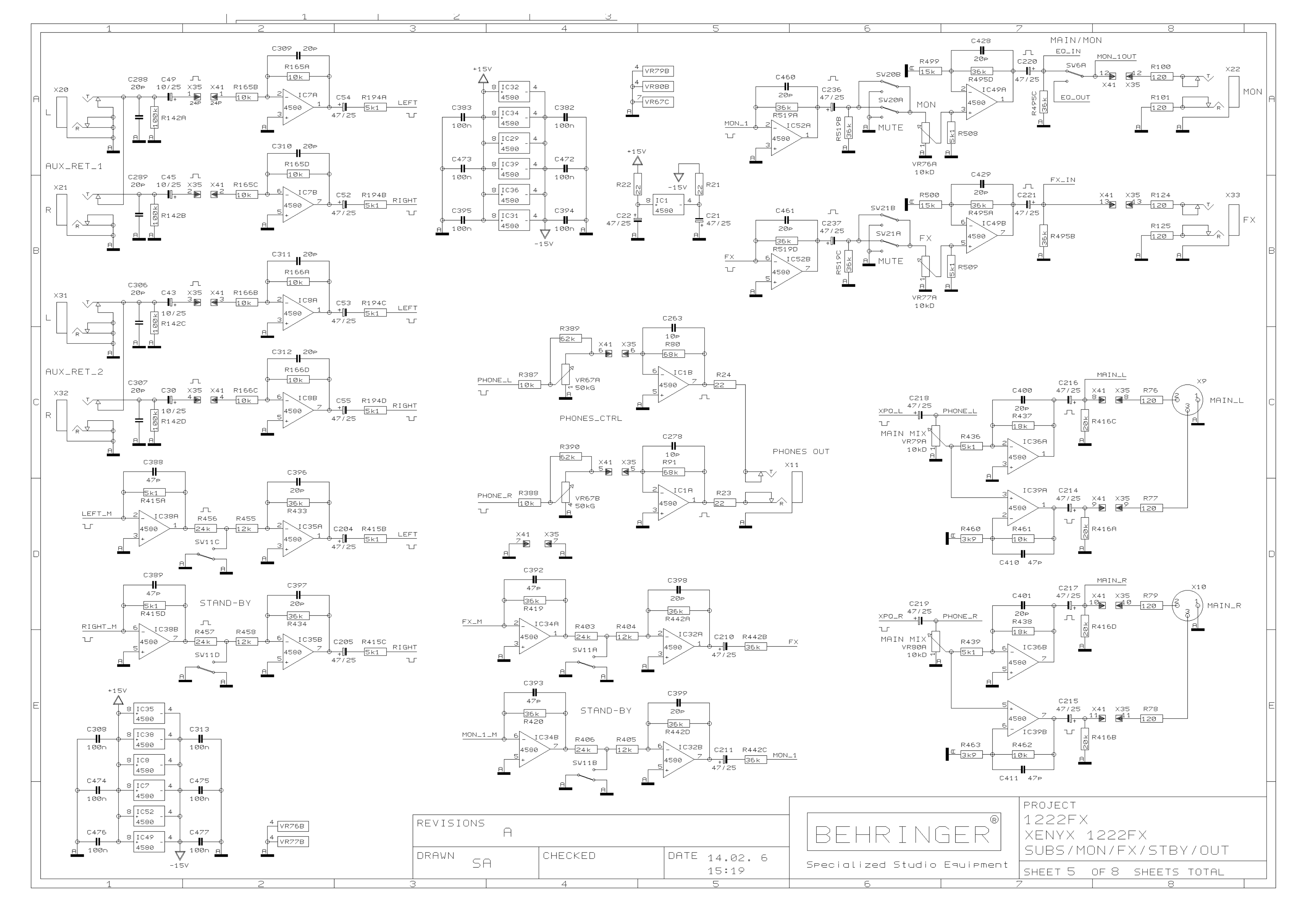
MIC/LINE_1
MIC/LINE_2
X3
X4
X12
X13
INSERT
X23
X24
+48V
+15V
-15V
GAIN
VR1A 5kZY
VR2A 5kZY
LOW CUT
SW1A
SW1B
SW2A
SW2B
HI
MID
LOW
VR9A 50kB
VR24A 50kB
VR32A 50kB
VR10A 50kB
VR25A 50kB
VR33A 50kB
IC3A 4580
IC3B 4580
IC4A 4580
IC4B 4580
IC40A 4580
IC40B 4580
IC41A 4580
IC41B 4580
0dBu LEVEL SET
FADER
VR68A 10kD
VR69A 10kD
MUTE
SW12A
SW13A
PAN
VR57A 10kAC
VR57B 10kAC
VR58A 10kAC
VR58B 10kAC
LEFT_M
RIGHT_M
FX
VR49A 50kG
VR50A 50kG
FX_M
MON
VR40A 50kG
VR41A 50kG
MON_1_M
MUTE LD42 YE
PEAK LD50 RD
MUTE LD43 YE
PEAK LD51 RD
SW12B
SW13B
VR40B
VR9B
VR24B
VR32B
VR49B
VR68B
VR57C
VR1B
VR41B
VR10B
VR25B
VR33B
VR50B
VR69B
VR58C
VR2B
REVISIONS
A (10/02/06)
DRAWN
SA
CHECKED
DATE
14.02. 6
15:19
BEHRINGER®
Specialized Studio Equipment
PROJECT
1222FX
XENYX 1222FX
MONO CHANNEL 1-2
SHEET 1 OF 8 SHEETS TOTAL



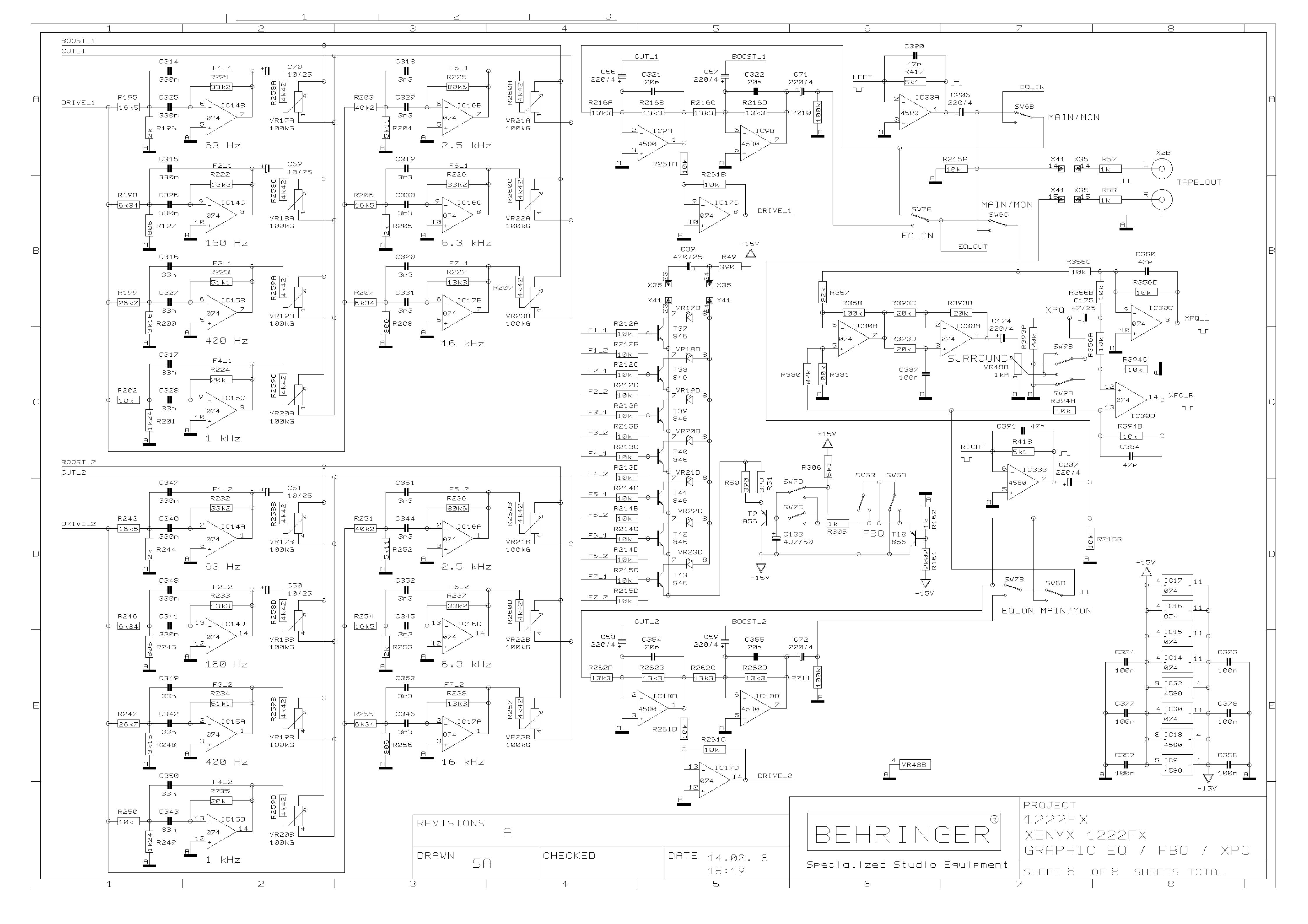
REVISIONS A
DRAWN SA
CHECKED
DATE 14.02. 6 15:19
BEHRINGER®
Specialized Studio Equipment
PROJECT
1222FX
XENYX 1222FX
MONO CHANNEL 3-4
SHEET 2 OF 8 SHEETS TOTAL


LINE 5-6
X16
L
R
X27
MIC
X7
X8
LINE 7-8
X17
X28
GAIN
HI
MID
LOW
FADER
MUTE
BAL
FX
FX_M
MON
MON_1_M
LEFT_M
RIGHT_M
PEAK
0dBu
LEVEL
SET
+48V
+15V
-15V
IC10A
IC10B
IC11A
IC11B
IC2A
IC2B
IC22A
IC22B
IC23A
IC23B
IC44A
IC44B
IC45A
IC45B
4580
REVISIONS
A
DRAWN
SA
CHECKED
DATE
14.02. 6
15:19
BEHRINGER®
Specialized Studio Equipment
PROJECT
1222FX
XENYX 1222FX
STEREO CHANNEL 5-8
SHEET 3 OF 8 SHEETS TOTAL

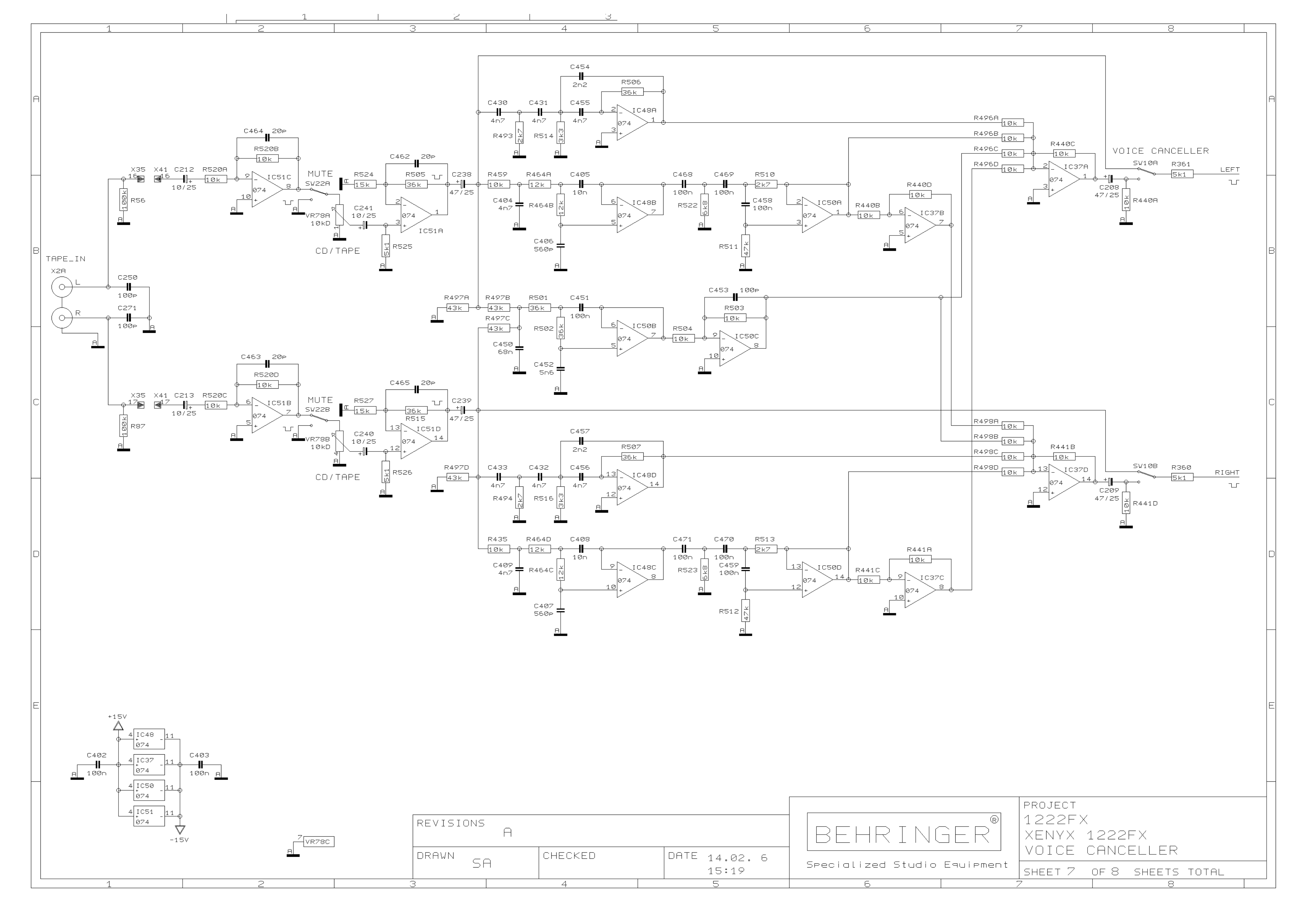

LINE 9-10
L
R
X18
X29
C48 10/25
C44 10/25
C286 100p
C304 100p
R104 100k
R128 100k
X38
X40
R219B 30k
R219C 30k
GAIN
VR7A 50kG
VR7B 50kG
C68 47/25
C64 47/25
R157 3k3
R158 3k3
IC12A 4580
IC12B 4580
R219A 30k
R219D 30k
C336 20p
C337 20p
C83 47/25
C84 47/25
R177C 24k
R177D 24k
C94 18n
C95 18n
C100 18n
C104 18n
HI
VR15A 50kB
VR15B 50kB
R287 1k1
R288 1k1
C108 15n
C120 15n
R241A 910
R241B 910
R241C 910
R241D 910
MID
VR30A 50kB
VR30B 50kB
R289 10k
R290 10k
R302A 6k8
R302B 6k8
R302C 6k8
R302D 6k8
C141 33n
C160 33n
VR38A 50kB
VR38B 50kB
LOW
C154 33n
C155 33n
C128 12n
C136 12n
R291 10k
R292 10k
IC24A 4580
IC24B 4580
C362 20p
C363 20p
R311 1M
R312 1M
C171 47/25
C170 47/25
R399 100k
R400 100k
0dBu LEVEL SET
+15V
R149 1k5
R192 6k8
T26 846
T35 846
LD7 YE
C85 2U2/50
R177A 24k
R177B 24k
R173 18k
R485 1k5
R491A 3k9
C424 100p
VR74A 10kD
R491B 3k9
C232 47/25
IC46A 4580
C199 47/25
FADER
R486 1k5
R491D 3k9
C425 100p
VR74B 10kD
R491C 3k9
C233 47/25
IC46B 4580
C198 47/25
MUTE
SW18A
SW18B
VR63A 10kAC
VR63B 10kAC
BAL
R376 5k1
R377 5k1
LEFT
RIGHT
R348C 10k
R348D 10k
FX
VR55A 50kG
R348A 10k
R348B 10k
MON
MON_1
VR46A 50kG
R413 1k5
SW18C
SW18D
MUTE LD48 YE
PEAK LD56 RD
R430 6k8
T69 846
T61 846
C200 2U2/50
R429 47k
R453 4k7
VR55B
VR15C
VR30C
VR38C
VR74C
VR7C
VR46B
VR63C
LINE 11-12
X19
X30
C42 10/25
C29 10/25
C287 100p
C305 100p
R105 100k
R129 100k
R220B 30k
R220C 30k
VR8A 50kG
VR8B 50kG
C89 47/25
C65 47/25
R159 3k3
R160 3k3
IC13A 4580
IC13B 4580
R220A 30k
R220D 30k
C338 20p
C339 20p
C86 47/25
C87 47/25
R178C 24k
R178D 24k
C96 18n
C97 18n
C101 18n
C105 18n
VR16A 50kB
VR16B 50kB
R293 1k1
R294 1k1
C109 15n
C121 15n
R242A 910
R242B 910
R242C 910
R242D 910
VR31A 50kB
VR31B 50kB
R295 10k
R296 10k
R303A 6k8
R303B 6k8
R303C 6k8
R303D 6k8
C142 33n
C161 33n
VR39A 50kB
VR39B 50kB
C156 33n
C157 33n
C129 12n
C137 12n
R297 10k
R298 10k
IC25A 4580
IC25B 4580
C364 20p
C365 20p
R313 1M
R314 1M
C173 47/25
C172 47/25
R401 100k
R402 100k
R150 1k5
R193 6k8
T27 846
T36 846
LD8 YE
C88 2U2/50
R178A 24k
R178B 24k
R174 18k
R487 1k5
R492A 3k9
C426 100p
VR75A 10kD
R492B 3k9
C234 47/25
IC47A 4580
C202 47/25
R488 1k5
R492D 3k9
C427 100p
VR75B 10kD
R492C 3k9
C235 47/25
IC47B 4580
C201 47/25
SW19A
SW19B
VR64A 10kAC
VR64B 10kAC
R378 5k1
R379 5k1
R349C 10k
R349D 10k
VR56A 50kG
R349A 10k
R349B 10k
VR47A 50kG
R414 1k5
SW19C
SW19D
MUTE LD49 YE
PEAK LD57 RD
R432 6k8
T70 846
T62 846
C203 2U2/50
R431 47k
R454 4k7
VR56B
VR16C
VR31C
VR39C
VR75C
VR8C
VR47B
VR64C
C371 100n
C370 100n
C447 100n
C446 100n
IC46 4580
IC24 4580
IC12 4580
C373 100n
C372 100n
C449 100n
C448 100n
IC47 4580
IC25 4580
IC13 4580
-15V
REVISIONS A
DRAWN SA
CHECKED
DATE 14.02. 6 15:19
BEHRINGER®
Specialized Studio Equipment
PROJECT
1222FX
XENYX 1222FX
STEREO CHANNEL 9-12
SHEET 4 OF 8 SHEETS TOTAL

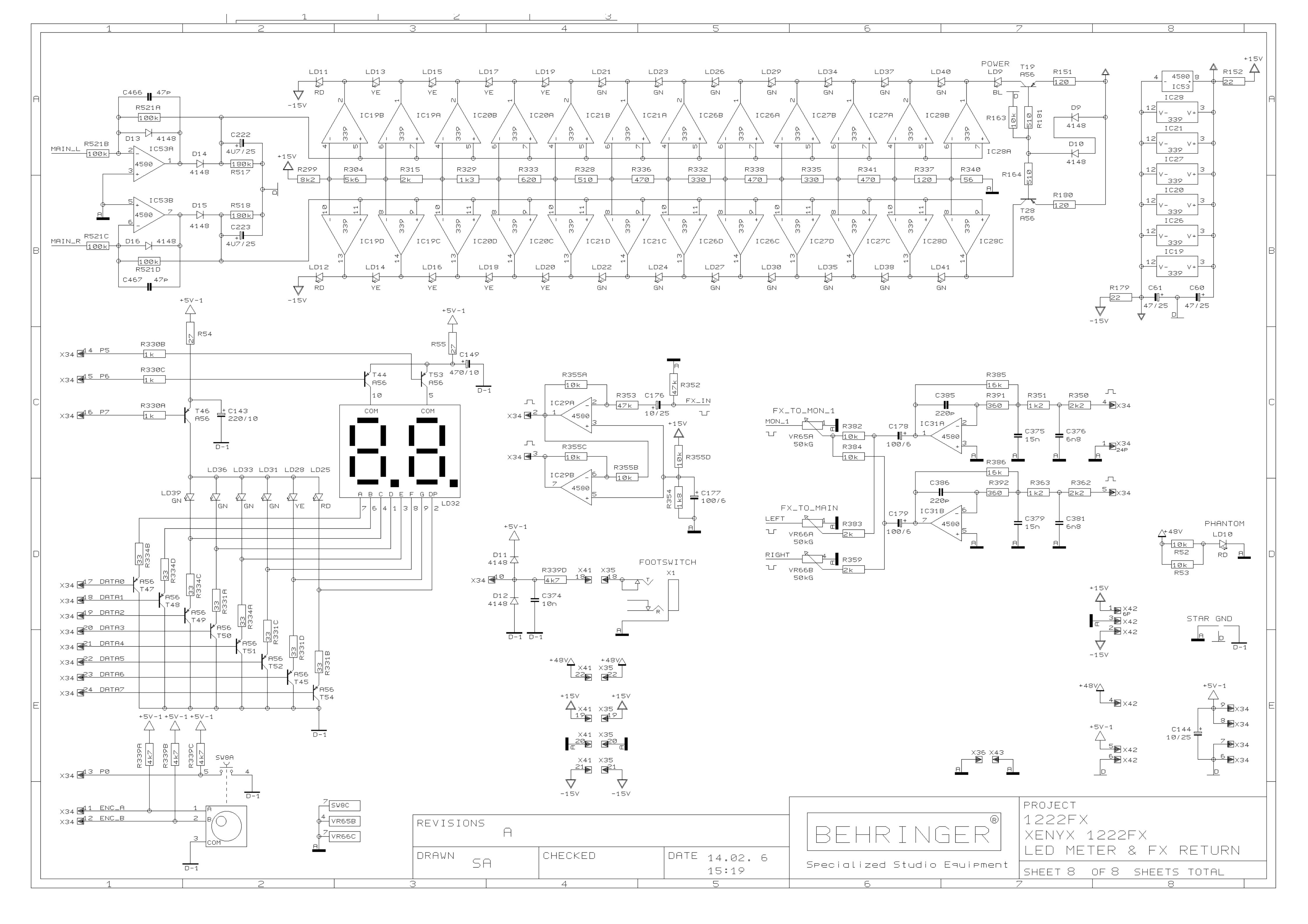


AUX_RET_1
AUX_RET_2
X20
X21
X31
X32
L
R
C288 20P
C49 10/25
X35
X41
R165B 10k
R165A 10k
C309 20P
IC7A 4580
C54 47/25
R194A 5k1
LEFT
R142A 100k
C289 20P
C45 10/25
R165C 10k
R165D 10k
C310 20P
IC7B 4580
C52 47/25
R194B 5k1
RIGHT
R142B 100k
C306 20P
C43 10/25
R166B 10k
R166A 10k
C311 20P
IC8A 4580
C53 47/25
R194C 5k1
R142C 100k
C307 20P
C30 10/25
R166C 10k
R166D 10k
C312 20P
IC8B 4580
C55 47/25
R194D 5k1
R142D 100k
LEFT_M
C388 47P
R415A 5k1
IC38A 4580
R456 24k
R455 12k
SW11C
C396 20P
R433 36k
IC35A 4580
C204 47/25
R415B 5k1
RIGHT_M
C389 47P
R415D 5k1
IC38B 4580
R457 24k
R458 12k
SW11D
STAND-BY
C397 20P
R434 36k
IC35B 4580
C205 47/25
R415C 5k1
+15V
-15V
C308 100n
C313 100n
C474 100n
C475 100n
C476 100n
C477 100n
IC35 IC38 IC8 IC7 IC52 IC49 4580
VR76B
VR77B
C383 100n
C382 100n
C473 100n
C472 100n
C395 100n
C394 100n
IC32 IC34 IC29 IC39 IC36 IC31 4580
VR79B
VR80B
VR67C
R22 22
R21 22
IC1 4580
C22 47/25
C21 47/25
PHONES_L
R387 10k
R389 62k
VR67A 50kG
C263 10P
R80 68k
IC1B 4580
R24 22
PHONES_CTRL
PHONES_R
R388 10k
R390 62k
VR67B 50kG
C278 10P
R91 68k
IC1A 4580
R23 22
PHONES OUT
X11
FX_M
C392 47P
R419 36k
IC34A 4580
R403 24k
R404 12k
SW11A
C398 20P
R442A 36k
IC32A 4580
C210 47/25
R442B 36k
FX
MON_1_M
C393 47P
R420 36k
IC34B 4580
R406 24k
R405 12k
SW11B
C399 20P
R442D 36k
IC32B 4580
C211 47/25
R442C 36k
MON_1
MON_1
C460 20P
R519A 36k
IC52A 4580
C236 47/25
R519B 36k
SV20B
SV20A
MUTE
MON
VR76A 10kD
R508 5k1
R499 15k
C428 20P
R495D 36k
IC49A 4580
C220 47/25
R495C 36k
MAIN/MON
EO_IN
EO_OUT
SV6A
MON_1OUT
R100 120
R101 120
X22
C461 20P
R519D 36k
IC52B 4580
C237 47/25
R519C 36k
SV21B
SV21A
VR77A 10kD
R509 5k1
R500 15k
C429 20P
R495A 36k
IC49B 4580
C221 47/25
FX_IN
R495B 36k
R124 120
R125 120
X33
XPO_L
C218 47/25
PHONE_L
MAIN MIX
VR79A 10kD
R436 5k1
C400 20P
R437 18k
IC36A 4580
C216 47/25
MAIN_L
R416C 20k
R76 120
X9
IC39A 4580
C214 47/25
R416A 20k
R77 120
R460 3k9
R461 10k
C410 47P
XPO_R
C219 47/25
PHONE_R
VR80A 10kD
R439 5k1
C401 20P
R438 18k
IC36B 4580
C217 47/25
MAIN_R
R416D 20k
R79 120
X10
IC39B 4580
C215 47/25
R416B 20k
R78 120
R463 3k9
R462 10k
C411 47P
REVISIONS A
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BEHRINGER®
Specialized Studio Equipment
PROJECT
1222FX
XENYX 1222FX
SUBS/MON/FX/STBY/OUT
SHEET 5 OF 8 SHEETS TOTAL

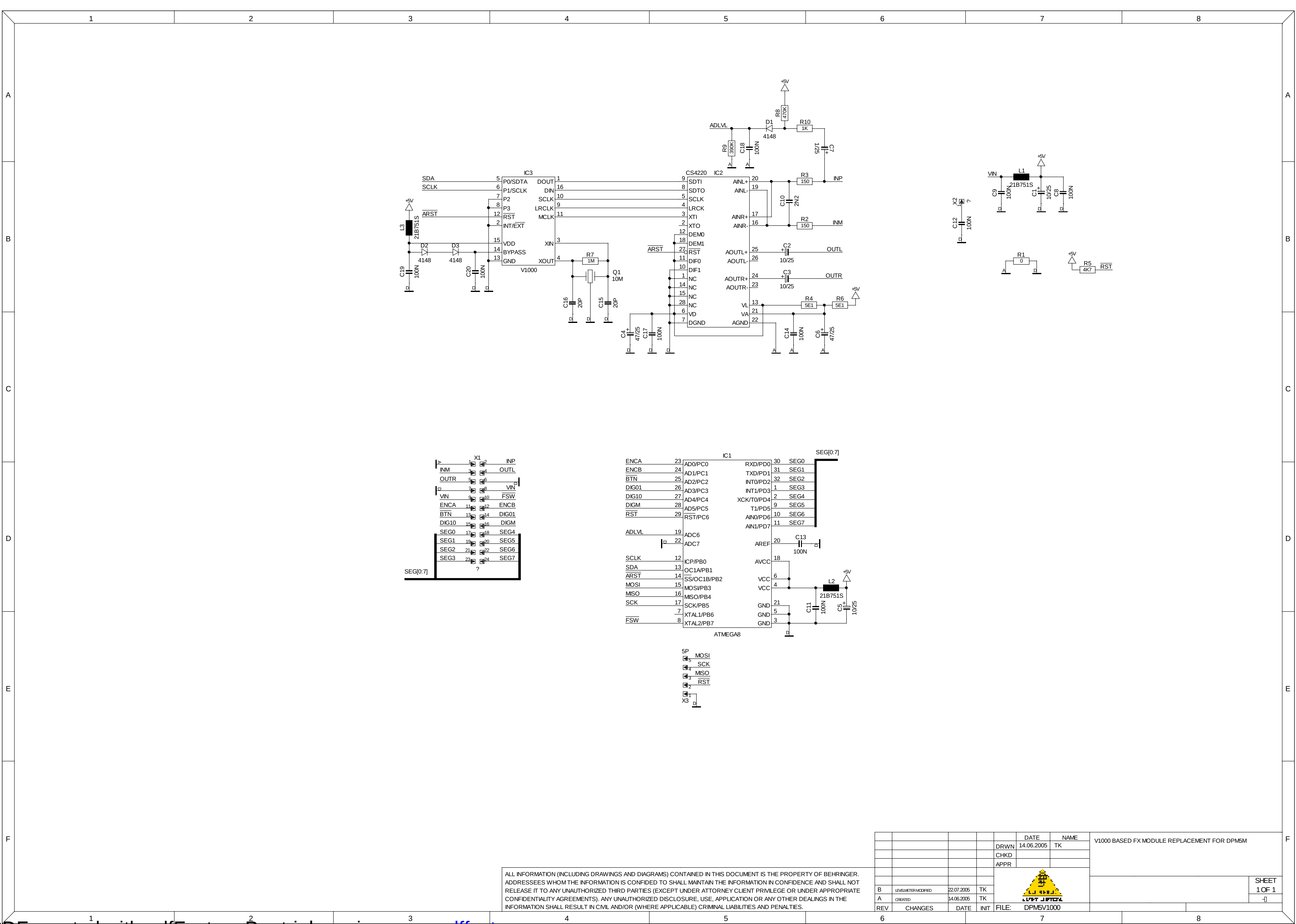


BOOST_1
CUT_1
DRIVE_1
63 Hz
160 Hz
400 Hz
1 kHz
2.5 kHz
6.3 kHz
16 kHz
BOOST_2
CUT_2
DRIVE_2
LEFT
RIGHT
EQ_IN
MAIN/MON
TAPE_OUT
EQ_ON
EQ_OUT
SURROUND
XPQ
XPQ_L
XPQ_R
FBQ
EQ_ON MAIN/MON
REVISIONS A
DRAWN SA
CHECKED
DATE 14.02. 6 15:19
BEHRINGER®
Specialized Studio Equipment
PROJECT
1222FX
XENYX 1222FX
GRAPHIC EQ / FBQ / XPQ
SHEET 6 OF 8 SHEETS TOTAL

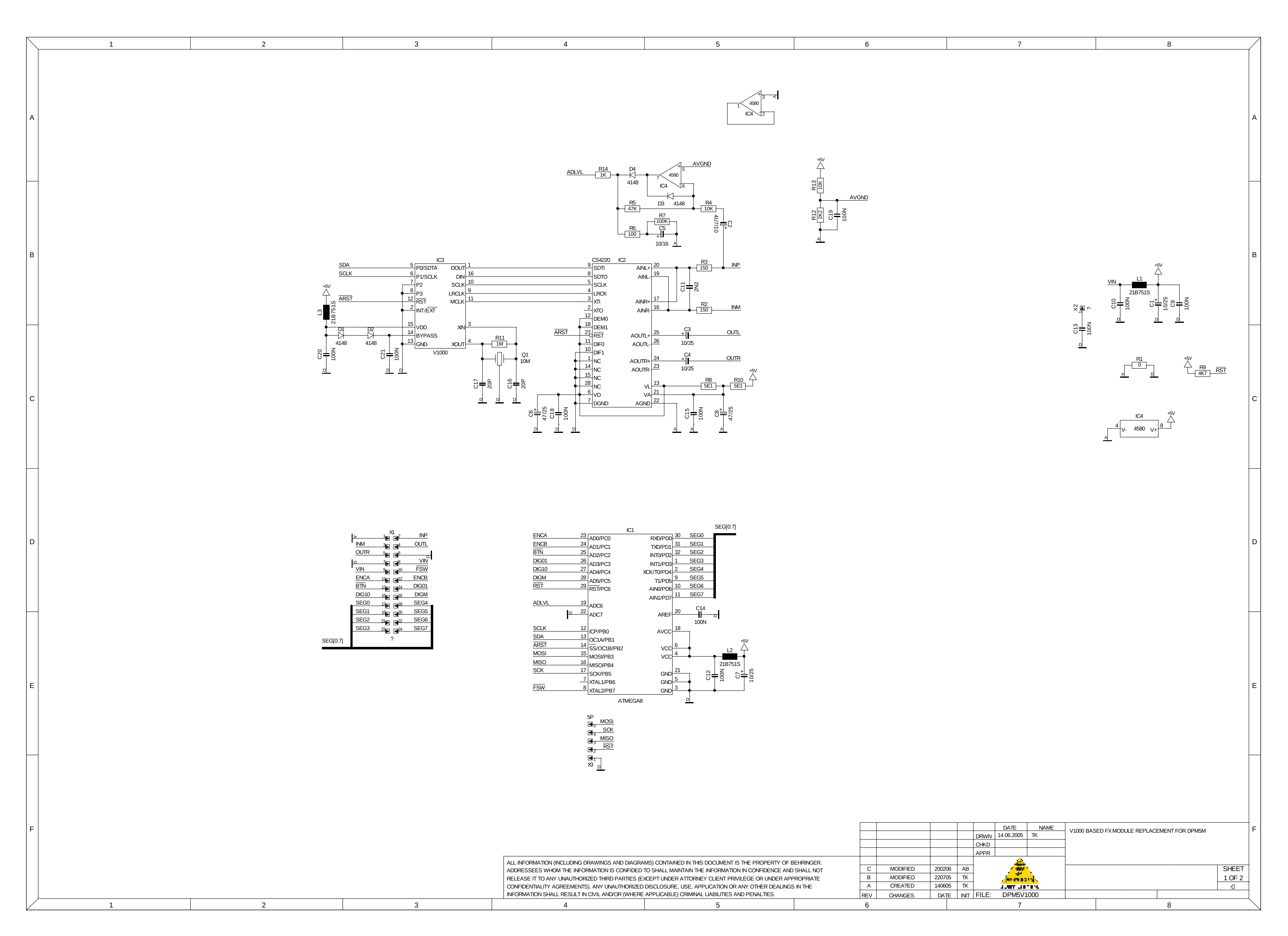

VOICE CANCELLER
TAPE_IN
X2A
L
R
MUTE
SV22A
SV22B
CD/TAPE
VR78A 10kD
VR78B 10kD
SV10A
SV10B
LEFT
RIGHT
+15V
-15V
REVISIONS A
DRAWN SA
CHECKED
DATE 14.02. 6 15:19
BEHRINGER®
Specialized Studio Equipment
PROJECT
1222FX
XENYX 1222FX
VOICE CANCELLER
SHEET 7 OF 8 SHEETS TOTAL



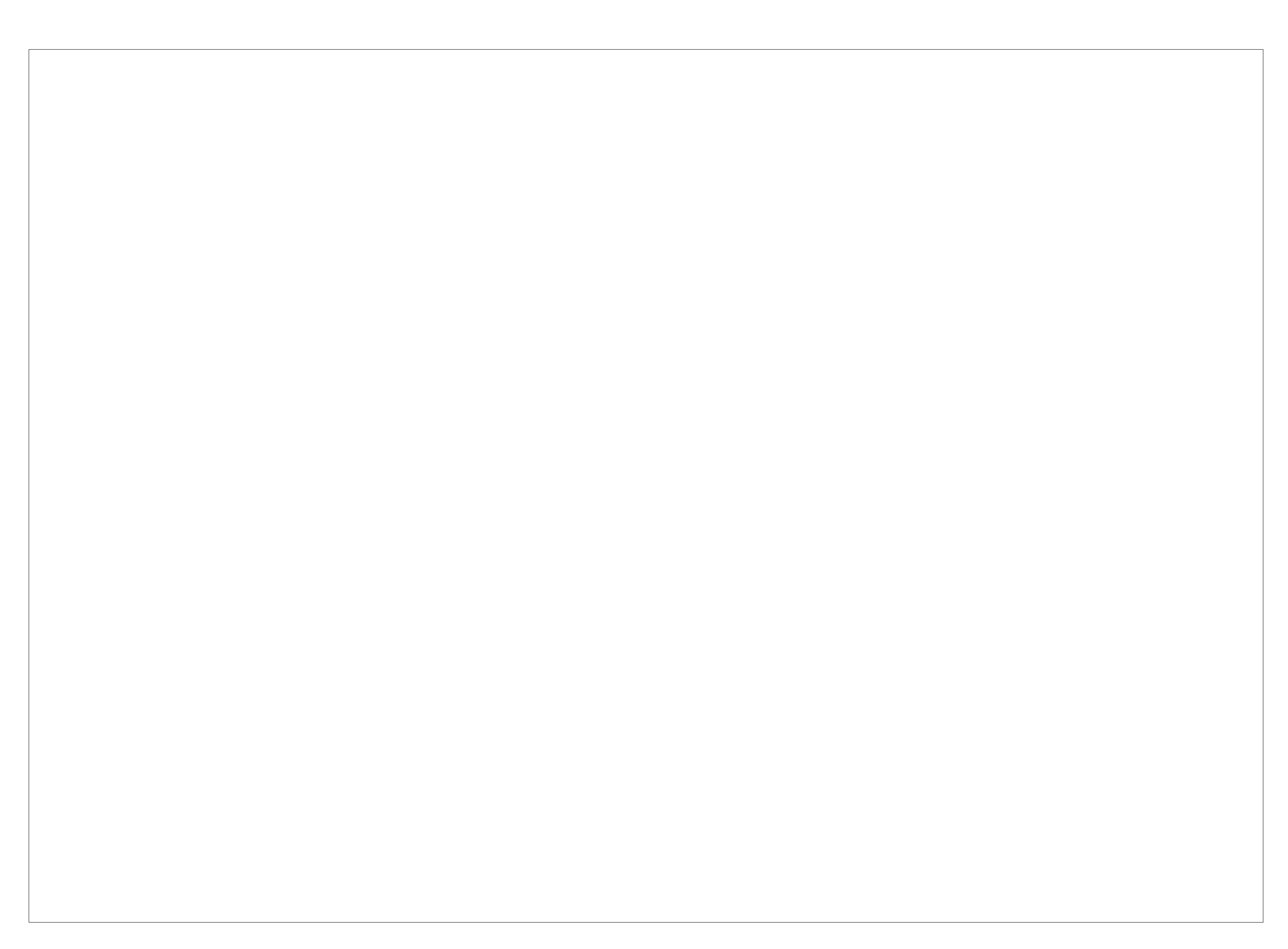
MAIN_L
MAIN_R
IC53A
IC53B
4580
C466 47P
C467 47P
R521A 100k
R521B 100k
R521C 100k
R521D 100k
D13 4148
D14 4148
D15 4148
D16 4148
C222 4U7/25
C223 4U7/25
R517 180k
R518 180k
+15V
-15V
R299 8k2
R304 5k6
R315 2k
R329 1k3
R333 620
R328 510
R336 470
R332 330
R338 470
R335 330
R341 470
R337 120
R340 56
IC19A IC19B IC19C IC19D
IC20A IC20B IC20C IC20D
IC21A IC21B IC21C IC21D
IC26A IC26B IC26C IC26D
IC27A IC27B IC27C IC27D
IC28A IC28B IC28C IC28D
339
LD11 RD
LD13 YE
LD15 YE
LD17 YE
LD19 YE
LD21 GN
LD23 GN
LD26 GN
LD29 GN
LD34 GN
LD37 GN
LD40 GN
LD12 RD
LD14 YE
LD16 YE
LD18 YE
LD20 YE
LD22 GN
LD24 GN
LD27 GN
LD30 GN
LD35 GN
LD38 GN
LD41 GN
POWER
LD9 BL
T19 A56
T28 A56
R151 120
R180 120
R163 10k
R181 510
R164 510
D9 4148
D10 4148
R152 22
IC53 4580
IC28 IC21 IC27 IC20 IC26 IC19
V- 339 V+
R179 22
C61 47/25
C60 47/25
+5V-1
R54 27
R55 27
C149 470/10
X34
P5 P6 P7
R330A 1k
R330B 1k
R330C 1k
T44 A56
T53 A56
T46 A56
C143 220/10
D-1
COM
LD32
LD39 GN
LD36 GN
LD33 GN
LD31 GN
LD28 YE
LD25 RD
DATA0 DATA1 DATA2 DATA3 DATA4 DATA5 DATA6 DATA7
T47 T48 T49 T50 T51 T52 T45 T54
R334B R334D R334C R331A R334A R331C R331D R331B 33
P0
SW8A
R339A 4k7
R339B 4k7
R339C 4k7
ENC_A
ENC_B
SW8C
VR65B
VR66C
R355A 10k
R355B 10k
R355C 10k
R355D 10k
IC29A 4580
IC29B 4580
R353 47k
C176 10/25
FX_IN
R352 47k
R354 1k8
C177 100/6
+5V-1
D11 4148
D12 4148
R339D 4k7
C374 10n
X41 X35
FOOTSWITCH
X1
+48V
FX_TO_MON_1
MON_1
VR65A 50kG
R382 10k
R384 10k
C178 100/6
IC31A 4580
C385 220P
R385 16k
R391 360
R351 1k2
R350 2k2
C375 15n
C376 6n8
24P
FX_TO_MAIN
LEFT
VR66A 50kG
R383 2k
RIGHT
VR66B 50kG
R359 2k
C179 100/6
IC31B 4580
C386 220P
R386 16k
R392 360
R363 1k2
R362 2k2
C379 15n
C381 6n8
PHANTOM
LD10 RD
R52 10k
R53 10k
X42
6P
STAR GND
X36 X43
C144 10/25
REVISIONS A
DRAWN SA
CHECKED
DATE 14.02. 6
15:19
BEHRINGER®
Specialized Studio Equipment
PROJECT
1222FX
XENYX 1222FX
LED METER & FX RETURN
SHEET 8 OF 8 SHEETS TOTAL

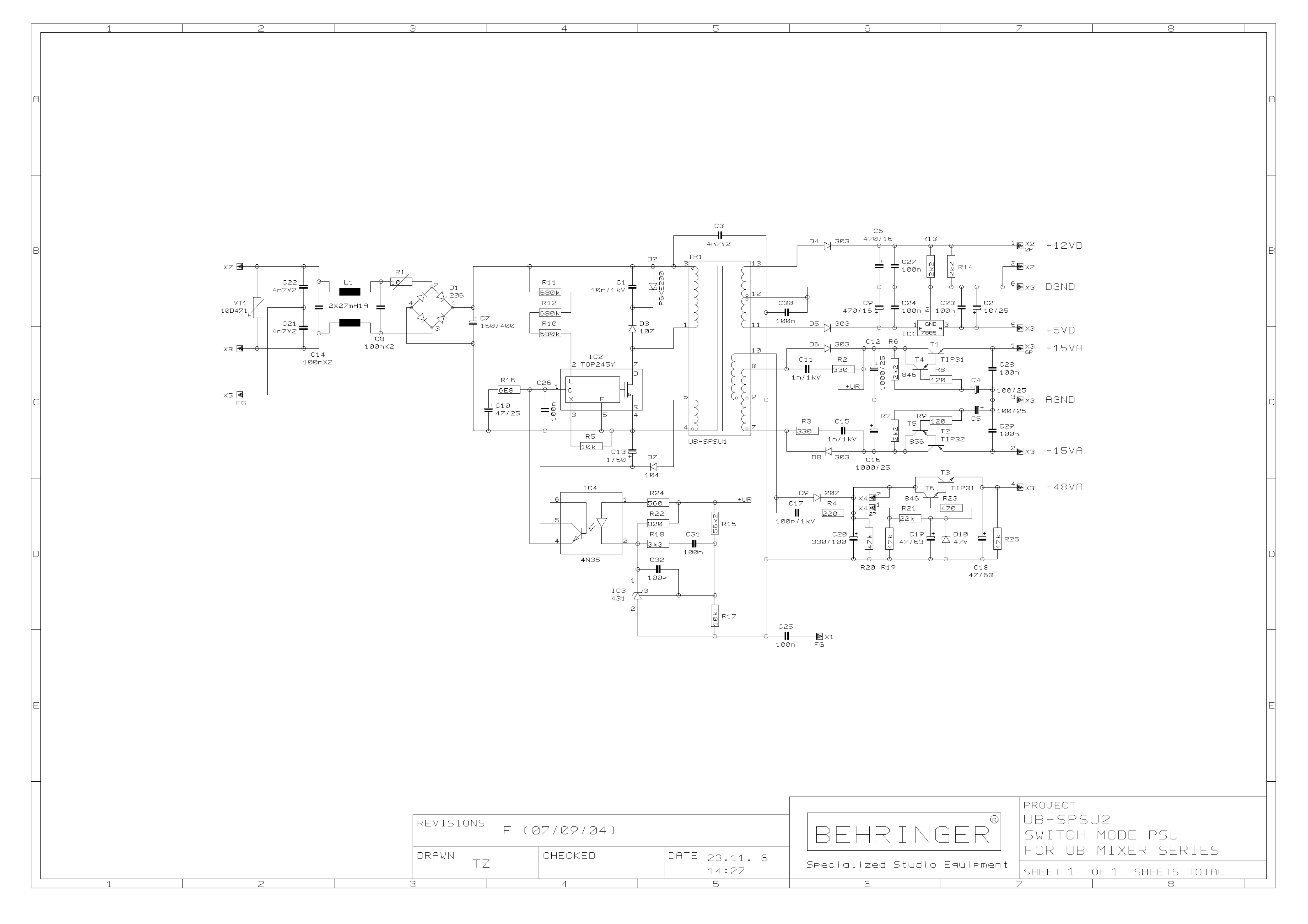


+5V
R8
470K
D1
4148
R10
1K
ADLVL
R9
390K
C18
100N
C7
1/25
CS4220
IC2
SDTI
SDTO
SCLK
LRCK
XTI
XTO
DEM0
DEM1
RST
DIF0
DIF1
NC
VD
DGND
AINL+
AINL-
AINR+
AINR-
AOUTL+
AOUTL-
AOUTR+
AOUTR-
VL
VA
AGND
R3
150
INP
C10
2N2
R2
150
INM
C2
10/25
OUTL
C3
10/25
OUTR
R4
5E1
R6
5E1
C4
47/25
C17
100N
C14
100N
C6
47/25
IC3
SDA
SCLK
P0/SDTA
P1/SCLK
P2
P3
RST
INT/EXT
VDD
BYPASS
GND
DOUT
DIN
SCLK
LRCLK
MCLK
XIN
XOUT
V1000
ARST
L3
21B751S
D2
4148
D3
4148
C19
100N
C20
100N
R7
1M
Q1
10M
C16
20P
C15
20P
VIN
L1
21B751S
C9
100N
C1
10/25
C8
100N
X2
?
C12
100N
R1
0
R5
4K7
RST
X1
INP
INM
OUTL
OUTR
VIN
FSW
ENCA
ENCB
BTN
DIG01
DIG10
DIGM
SEG0
SEG4
SEG1
SEG5
SEG2
SEG6
SEG3
SEG7
SEG[0:7]
?
IC1
ENCA
ENCB
BTN
DIG01
DIG10
DIGM
RST
ADLVL
SCLK
SDA
ARST
MOSI
MISO
SCK
FSW
AD0/PC0
AD1/PC1
AD2/PC2
AD3/PC3
AD4/PC4
AD5/PC5
RST/PC6
ADC6
ADC7
ICP/PB0
OC1A/PB1
SS/OC1B/PB2
MOSI/PB3
MISO/PB4
SCK/PB5
XTAL1/PB6
XTAL2/PB7
RXD/PD0
TXD/PD1
INT0/PD2
INT1/PD3
XCK/T0/PD4
T1/PD5
AIN0/PD6
AIN1/PD7
AREF
AVCC
VCC
GND
ATMEGA8
C13
100N
L2
21B751S
C11
100N
C5
10/25
5P
MOSI
SCK
MISO
RST
X3
DATE
NAME
DRWN
14.06.2005
TK
CHKD
APPR
V1000 BASED FX MODULE REPLACEMENT FOR DPM5M
B
LEVELMETER MODIFIED
22.07.2005
TK
A
CREATED
14.06.2005
TK
REV
CHANGES
DATE
INIT
FILE:
DPM5V1000
SHEET
1 OF 1
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V1000 BASED FX MODULE REPLACEMENT FOR DPM5M
DRWN 14.06.2005 TK
SHEET 1 OF 2
FILE: DPM5V1000
C MODIFIED 200206 AB
B MODIFIED 220705 TK
A CREATED 140605 TK
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IC1 ATMEGA8
IC2 CS4220
IC3 V1000
IC4 4580




X7
X8
X5
FG
VT1
10D471
C22
4n7Y2
C21
4n7Y2
C14
100nX2
L1
2X27mH1A
C8
100nX2
R1
10
D1
206
C7
150/400
R11
680k
R12
680k
R10
680k
C1
10n/1kV
D2
P6KE200
D3
107
C3
4n7Y2
TR1
UB-SPSU1
IC2
TOP245Y
R16
6E8
C26
100n
C10
47/25
R5
10k
C13
1/50
D7
104
IC4
4N35
R24
560
R22
820
R18
3k3
C31
100n
+UR
R15
56k2
C32
100p
IC3
431
R17
10k
C25
100n
X1
FG
D4
303
C6
470/16
C27
100n
R13
2k2
R14
2k2
X2
+12VD
DGND
C30
100n
C9
470/16
C24
100n
C23
100n
C2
10/25
IC1
7805
D5
303
+5VD
D6
303
C12
1000/25
R6
2k2
T1
TIP31
T4
846
C11
1n/1kV
R2
330
R8
120
C28
100n
X3
+15VA
C4
100/25
AGND
C5
100/25
R3
330
C15
1n/1kV
R7
2k2
R9
120
T5
856
T2
TIP32
C29
100n
D8
303
C16
1000/25
-15VA
D9
207
C17
100p/1kV
R4
220
X4
T3
TIP31
T6
846
R23
470
R21
22k
C20
330/100
R20
47k
R19
47k
C19
47/63
D10
47V
C18
47/63
R25
47k
+48VA
REVISIONS
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